SCIENCE NEWS INDEX
Vol. 112, Nos. I-26, June-Dec., 1977, pp. I-448
Science Service, Washington, D.C. 20036

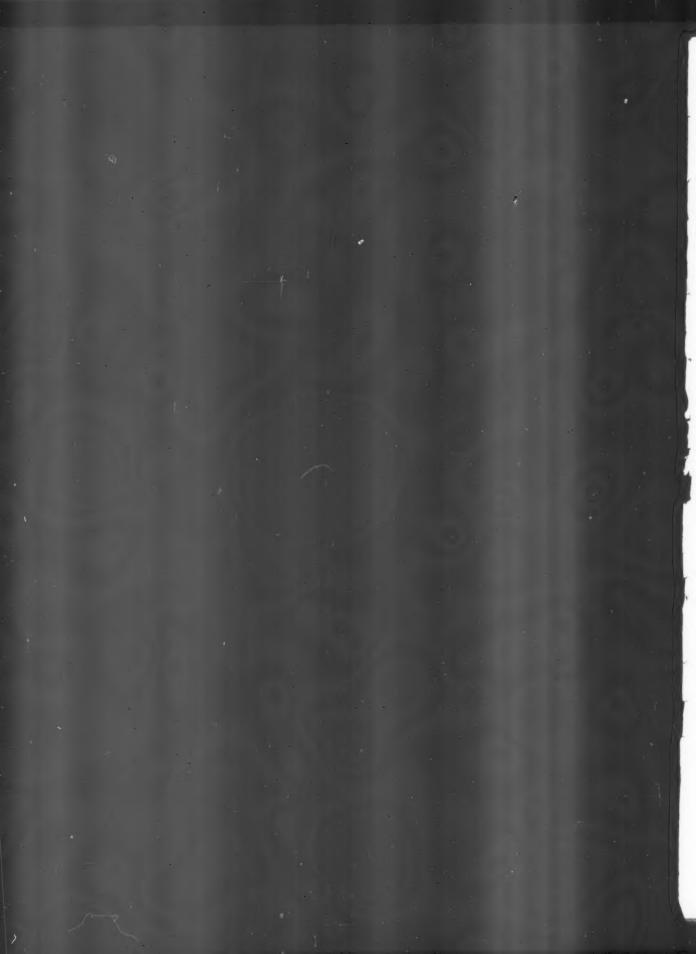
A	Atom smashers 401,410	Blackbody radiation 44	CYCLOPS	Clark, Jeff
	Atomic clock 6	Bland, Roger	Cadmium	Clark, Sandra
ALSEPS213	Aton, Bea	Blane, Howard I	Caird, R. S	Clausen, Carl J 90 Clay
ARIES surveying techniques . 404	Atwater, Brian r	Blattner, Fred	Calculus 186	Clays, Metal
Abe, K	August, J. T	Blau, Theodore R 167	Califano, Joseph A., Jr 199, 422	Cleaver lames
Abelson, Philip H 68 Abortion 424	Austrian, Robert 292	Blind317	California's crust 404	Cleland, Max
Accelerators401,410	Ausubel, Frederick M 138	Blobel, Günter 73	Callahan, Daniel	Climate 68,120, 375
Ackerman, John H 180	Autism	Bloch, Sidney	Callender, Robert H	Clinch River reactor 312 Cloud collapse 359
Ackerman, Peggy T 389	Auto-antibodies265 Autocorrelation321	Blogoslawski, Walter 201 Blomquist, Clarence D. D 347	Calvin, Melvin 72	Coal burning
Acoustic-hologram system 409	Automobile fatalities 10	Blood86	Camera, Positron ring 10	Coal combustion,
Acoustic levitation 425 Acuna, Mario	Automobile fatalities 10 Azolla	Blood cells, Red 425	Campbell, W. J 298	Fluidized-bed 134, 185
Adebimpe, Victor R 28,29		Blood chemistry analysis 155	Cancer	Coal-fired power stations 25
Adenine arabinoside 116	_	Blood cleansing process 391	Bladder	Coastal ledges 120
Adenovirus-2 70	В	Blood clots424	Drinking water 428	Cockroach hisses 39
Adopted children 150		Blood-draining surgery 5 Blood pressure 105, 341, 394	Esophagus342	Coe, M. J
Aggression	BCG vaccination 40	Blood pressure machine 248	Fluoride link	Coffey, T. G 265
Aging	Babayan, E. A 165, 346 Baby fat 424	Bloom, Benjamin S 149	Hair dyes 422	Cohen, Judith B 395
Air pressure	Bachman, H. R 26	Bloom, Floyd E 58	Highway traffic296	Cohen, M. H 120
Air traffic controllers 395	Bachrach, William H 395	Bloomfield, Clara D 121	Lung	Cohen, Morris
Aircraft, Turboprop 345	Bacteria	Blotner, Robert	Proteins	Cohen, Sheldon 170 Cohen, Stanley
Aksnes, K	Bacteria, Rock-locked 360	Blumer, Max	Remission 40	Cold-water drowning 200
Alcohol 10,40,102	Bacterium	Bock, Gregory R 73	Screening 248 424	Cole, Terry313
Alcoholics	Bada, Jeffrey L	Bocobo, Dean	Cancer-causing chemicals	Coleman, L. W 21
Alexander, Joseph K 166	Bahcall, John N 216	Bodenheimer, Peter 41	chemicals 12, 13, 181	Coll, Milton 232
Alfano, Robert R216	Baird, lan	Boland, Edward P. (Rep.) 53	Canscreen	College curricula 422
Alford, Charles A 116	Baker, Paul 247	Bomber, B1 60, 61	Cappella, Betty 90	College Entrance Examination Board 148
Algae, Oldest	Balch, William E 311	Bone narrow transplants 184 Bonica, John J 392	Capranica, Robert R 344	Collins, W. Andrew 247
Allen, Bryan	Bald eagle	Boomerangs 90	Capriles, Roberto Salas 235	Colombo, Giuseppe 52
Alligators	Ballinger, R.E	Borgens, Richard B 343	Carbon dioxide 68, 375	Colton, Eugene 372
Aloni, Yosef 71	Bania, T. M	Bothner, M. H	Carbon-14 dates 408	Comet Halley 41
Altitude, High	Baram, Tallie	Bowen, William T 393	Carlson, Robert	Commisso, R. J 91
Altruism, Kin 358	Barash, David P 138	Bowyer, Stuart313	Carr, Michael J 120	Commoner, Barry 13 Competition 25
Aluminum wiring 296	Barghoorn, Elso S 245	Boyd, James	Carter, Jimmy 60, 61, 312, 372	Computers
Alzheimer's disease 209,218	Barker, Peter E 377	Boylen, George W., Jr 233	Caruso, Frank L	Non-translating 409
Amartadine	Barley	Boys 202	Casani, John 124, 166	Nuclear security 108, 296
Amazon, River basin 362, 363	Barrett, Gary	Boys	Cassidy, William A 297	Star pulsing 91, 345
American National Metric	Barrett, Robert S 102	Brain, Wiring diagram 217	Castor, Binary star321 Cat leukemia233	Traffic control
Council 42	Barsby, Steve	Brain development 121	Cat nerve patterns 344	Concept formation 105 Concorde
Ames, Bruce 181,388	Basiulis, A 185	Brain function	Catalytic converters 171	Condon, James J 70
Ammonia	Basov, Nikolai361	Brain melanin 6	Catecholamines 376	Cone, Charlotte M 135
Anderson Don 141	Bass, Peacock	Brain model 20	Catlin, Don H 424	Cone. Clarence D., Ir 134
Anderson, Don	Bauer, S. H 26	Brain proteins 58, 182	Cauilleau, Relda 377	Contraceptives 280, 317, 356, 424
Andronikos, Manolis 389	Baxter, Brent	Brandriff, Brigitte356	Ceglio, N. M 21 Cell division process 134	Convulsions
Anesthetics 265	Beahrs, Oliver H	Bravman, R. J	Cell fibers241, 250	Cook, Captain James 289, 298
Aneurysms, Cerebral 280	Becker, Carl G 214	Breast	Cell lattice 241, 251	Cook, R. E
Animal Cells, Mass-produced 72	Bedside manner	cancer 197, 377, 422, 424	Cell structure 241, 250	Cooper, Hubert B., Jr 268
Animal experiments1,12	Behavior, Infant65, 74	Breast-feeding317	Cells, Lab-grown 377	Corman, J. C 185
Animal feed antibiotics 151	Behavior, Lobster	Brecher, Kenneth313	Celto, John E	Coronal holes 73
Animals, One-celled 292	Behavior development 40	Breeder reactors . 164, 247, 312	Ceres	Corriveau, Donald P 105
Anorexia nervosa393	Behavior modification 312	Breugger, B	Chailakhyan, M. Kh 39	Corsellis, J. A. N
Ansfield, Irving 315	Bekesi, J. George 101	Brill, Winston J 150	Chaisson, Lola	Corson, Samuel A 237
Antarctic climate 358 Antarctic ice cap 264	Bell, Alois A	Brinton, Charles C 22	Chalmers, Margaret 41	Cos B catalog
Antarctic icebergs . 289, 298, 299	Ben-Ziv, Ezra 26	Briscoe, Anne	Champion, Hale	Costle, Douglas 423, 431
Antarctic meteorites 297	Benedict, Fritz 72	Brodie, Edmund D., Jr 201 Brodsky, Annette M 293	Chanda, Joseph	Cosmic rays
Antarctic research 264	Benedict, John	Broecker, Wallace S 68	Chang, James S 4	Counseling
Antarctica 247, 292, 407, 421	Benzene-containing products 233	Bromocryptine105	Chang, Shing	Cox, Allan
Antibiotics, Animal feed 151 Antifeedants 269	Bennett, David H	Brompton's cocktail 392	Chelyabinsk 37	Coy, David H 59
Antiviral drugs	Benson, Herbert398	Broome, G. Calvin 11	Chemical companies 423	Coyotes409
Apfel, Robert E 425	Beretvas, Andrew 372	Broten, N. W	Chemical pollutants 233, 428 Chemical reactions 17, 26, 27	Crabb, D. G 196
Apollo Lunar Science	Berg, Paul	Brown, Bertram	Chemicals, Organic	Crabs, Fiddler 84
Experiment Packages 213	Bergman, Terry	Brown, Janet	Chemicals, Toxic 428	Craig, Paul
Appropriate technologies	Bergstraih, Jay	Brown, John 153	Chester, Craig323	Crawford, Frank321
Ara-A	Barkhidler Katheyn P 109	Brown, Robert 340	Chicken cancer342	Crayfish119
Arabian penisula360	Bernard, E. A	Brown, Walter A 105	Child altruism358	Crews, David301
Archaebacteria310	Bernard, Ora	Bruinsma, Bernard L 297	Childbirth medication 265 Childbood mental health 202	Crime rate, Japan377
Arctica islandica 360	Bernstein, Douglas A 170	Bryant, Thomas E	Children, Lead level 296	Crocodile
Arithmetical methods 186	Beta Canis Majorids 91	Bueding, Ernest	Children, Successful 202	Crowding
Arm, Artificial	Beta-endorphin	Buffington, Andrew321	China	Cruise missile 49, 60, 61
Aron, William406	Betelgeuse	Bunker, Linda 173	Chicken cancer342	Crustal uplift
Arp, Halton !!	Bielefeld, Brian358	Burch, J. D 245	Earthquakes	Crystal, Ronald G 296
Artificial organs 154	Bienenstock, Arthur I 427	Burchard, John D 25	Science	Currie, Malcolm R 60
Aschman, D. G 73	Big-number hypothesis 157	Burial grounds	Chiron	Cubist view, Human body 156 Cummins, R. A
Asher, Steven R	Bild, Richard W	Burley, Nancy 248	Chiron	Cytosine arabinoside121
Ashton, P. S	Bills, Bruce G	Burley, Nancy	Cholesterol 58	_
Aspartic acid 58	Bio-solar energy 72	Burton, John A 104	Chow, Louise T 71	D
Asphalt, Recycling392	Bioengineering 145, 154	Bustillo, Alex E 69	Christiensen, Douglas A 7	DBCP (dibromochloro-
Assousa, G. E 376	Biofeedback 22	Butler, Robert	Christiensen, Jon	propane)
Asteroid impacts	Biospace experiments, U.S 230	Byers, H. Randolph 253	Ciccone, J. Richard 29	DES422
Asteroid mining	Bird, Femur	c	Circadian rhythms 317	DMSP meteorological satellite408
Astronomical Observatory,	Bird, Oldest	-	Circuits, Integrated 427	DNA
Satellite 38	Birth rate	CERN lab research 4, 23	Circulatory dysfunction 280	See also: Recombinant DNA
Athletes 161,172	Black holes, Mini 73	CLIMAP Program358	Circulatory system 156 Clark, J. A	DNA, Animal gene . 70, 214, 233

SCIENCE NEWS INDEX
Vol. 112, Nos. I-26, June-Dec., 1977, pp. I-448
Science Service, Washington, D.C. 20036

A	Atom smashers 401,410	Blackbody radiation 44	CYCLOPS	Clark, Jeff
	Atomic clock 6	Bland, Roger	Cadmium	Clark, Sandra
ALSEPS213	Aton, Bea	Blane, Howard I	Caird, R. S	Clausen, Carl J 90 Clay
ARIES surveying techniques . 404	Atwater, Brian r	Blattner, Fred	Calculus	Clays, Metal
Abe, K	August, J. T	Blau, Theodore R 167	Califano, Joseph A., Jr 199, 422	Cleaver lames
Abelson, Philip H 68 Abortion 424	Austrian, Robert 292	Blind317	California's crust 404	Cleland, Max
Accelerators401,410	Ausubel, Frederick M 138	Blobel, Günter 73	Callahan, Daniel	Climate 68,120, 375
Ackerman, John H 180	Autism	Bloch, Sidney	Callender, Robert H	Clinch River reactor 312 Cloud collapse 359
Ackerman, Peggy T 389	Auto-antibodies265 Autocorrelation321	Blogoslawski, Walter 201 Blomquist, Clarence D. D 347	Calvin, Melvin	Coal burning
Acoustic-hologram system 409	Automobile fatalities 10	Blood86	Camera, Positron ring 10	Coal combustion,
Acoustic levitation 425 Acuna, Mario	Automobile fatalities 10 Azolla	Blood cells, Red 425	Campbell, W. J 298	Fluidized-bed 134, 185
Adebimpe, Victor R 28,29		Blood chemistry analysis 155	Cancer	Coal-fired power stations 25
Adenine arabinoside 116	_	Blood cleansing process 391	Bladder	Coastal ledges 120
Adenovirus-2 70	В	Blood clots424	Drinking water 428	Cockroach hisses 39
Adopted children 150		Blood-draining surgery 5 Blood pressure 105, 341, 394	Esophagus342	Coe, M. J
Aggression	BCG vaccination 40	Blood pressure machine 248	Fluoride link	Coffey, T. G 265
Aging	Babayan, E. A 165, 346 Baby fat 424	Bloom, Benjamin S 149	Hair dyes 422	Cohen, Judith B 395
Air pressure	Bachman, H. R 26	Bloom, Floyd E 58	Highway traffic296	Cohen, M. H 120
Air traffic controllers 395	Bachrach, William H 395	Bloomfield, Clara D 121	Lung	Cohen, Morris
Aircraft, Turboprop 345	Bacteria	Blotner, Robert	Proteins	Cohen, Sheldon 170 Cohen, Stanley
Aksnes, K	Bacteria, Rock-locked 360	Blumer, Max	Remission 40	Cold-water drowning 200
Alcohol 10,40,102	Bacterium	Bock, Gregory R 73	Screening 248 424	Cole, Terry313
Alcoholics	Bada, Jeffrey L	Bocobo, Dean	Cancer-causing chemicals	Coleman, L. W 21
Alexander, Joseph K 166	Bahcall, John N 216	Bodenheimer, Peter 41	chemicals 12, 13, 181	Coll, Milton 232
Alfano, Robert R	Baird, lan	Boland, Edward P. (Rep.) 53	Canscreen	College curricula 422
Alford, Charles A 116	Baker, Paul 247	Bomber, B1 60, 61	Cappella, Betty 90	College Entrance Examination Board 148
Algae, Oldest	Balch, William E 311	Bone narrow transplants 184 Bonica, John J 392	Capranica, Robert R 344	Collins, W. Andrew 247
Allen, Bryan	Bald eagle	Boomerangs 90	Capriles, Roberto Salas 235	Colombo, Giuseppe 52
Alligators	Ballinger, R.E	Borgens, Richard B 343	Carbon dioxide 68, 375	Colton, Eugene 372
Aloni, Yosef 71	Bania, T. M	Bothner, M. H	Carbon-14 dates 408	Comet Halley 41
Altitude, High	Baram, Tallie	Bowen, William T 393	Carlson, Robert	Commisso, R. J 91
Altruism, Kin 358	Barash, David P 138	Bowyer, Stuart313	Carr, Michael J 120	Commoner, Barry 13 Competition 25
Aluminum wiring 296	Barghoorn, Elso S 245	Boyd, James	Carter, Jimmy 60, 61, 312, 372	Computers
Alzheimer's disease 209,218	Barker, Peter E 377	Boylen, George W., Jr 233	Caruso, Frank L	Non-translating 409
Amartadine	Barley	Boys 202	Casani, John 124, 166	Nuclear security 108, 296
Amazon, River basin 362, 363	Barrett, Gary	Boys	Cassidy, William A 297	Star pulsing 91, 345
American National Metric	Barrett, Robert S 102	Brain, Wiring diagram 217	Castor, Binary star321 Cat leukemia233	Traffic control
Council 42	Barsby, Steve	Brain development 121	Cat nerve patterns 344	Concept formation 105 Concorde
Ames, Bruce 181,388	Basiulis, A 185	Brain function	Catalytic converters 171	Condon, James J 70
Ammonia	Basov, Nikolai361	Brain melanin 6	Catecholamines 376	Cone, Charlotte M 135
Anderson Don 141	Bass, Peacock	Brain model 20	Catlin, Don H 424	Cone. Clarence D., Ir 134
Anderson, Don	Bauer, S. H 26	Brain proteins 58, 182	Cauilleau, Relda 377	Contraceptives 280, 317, 356, 424
Andronikos, Manolis 389	Baxter, Brent	Brandriff, Brigitte356	Ceglio, N. M 21 Cell division process 134	Convulsions
Anesthetics 265	Beahrs, Oliver H	Bravman, R. J	Cell fibers241, 250	Cook, Captain James 289, 298
Aneurysms, Cerebral 280	Becker, Carl G 214	Breast	Cell lattice 241, 251	Cook, R. E
Animal Cells, Mass-produced 72	Bedside manner	cancer 197, 377, 422, 424	Cell structure 241, 250	Cooper, Hubert B., Jr 268
Animal experiments1,12	Behavior, Infant65, 74	Breast-feeding317	Cells, Lab-grown 377	Corman, J. C 185
Animal feed antibiotics 151	Behavior, Lobster	Brecher, Kenneth313	Celto, John E	Coronal holes 73
Animals, One-celled 292	Behavior development 40	Breeder reactors . 164, 247, 312	Ceres	Corriveau, Donald P 105
Anorexia nervosa393	Behavior modification 312	Breugger, B	Chailakhyan, M. Kh 39	Corsellis, J. A. N
Ansfield, Irving 315	Bekesi, J. George 101	Brill, Winston J 150	Chaisson, Lola	Corson, Samuel A 237
Antarctic climate 358 Antarctic ice cap 264	Bell, Alois A	Brinton, Charles C 22	Chalmers, Margaret 41	Cos B catalog
Antarctic icebergs . 289, 298, 299	Ben-Ziv, Ezra 26	Briscoe, Anne	Champion, Hale	Costle, Douglas 423, 431
Antarctic meteorites 297	Benedict, Fritz 72	Brodie, Edmund D., Jr 201 Brodsky, Annette M 293	Chanda, Joseph	Cosmic rays
Antarctic research 264	Benedict, John	Broecker, Wallace S 68	Chang, James S 4	Counseling
Antarctica 247, 292, 407, 421	Benzene-containing products 233	Bromocryptine105	Chang, Shing	Cox, Allan
Antibiotics, Animal feed 151 Antifeedants 269	Bennett, David H	Brompton's cocktail 392	Chelyabinsk 37	Coy, David H 59
Antiviral drugs	Benson, Herbert398	Broome, G. Calvin 11	Chemical companies 423	Coyotes409
Apfel, Robert E 425	Beretvas, Andrew 372	Broten, N. W	Chemical pollutants 233, 428 Chemical reactions 17, 26, 27	Crabb, D. G 196
Apollo Lunar Science	Berg, Paul	Brown, Bertram	Chemicals, Organic	Crabs, Fiddler 84
Experiment Packages 213	Bergman, Terry	Brown, Janet	Chemicals, Toxic 428	Craig, Paul
Appropriate technologies	Bergstraih, Jay	Brown, John 153	Chester, Craig323	Crawford, Frank321
Ara-A	Barkhidler Katheyn P 109	Brown, Robert 340	Chicken cancer342	Crayfish119
Arabian penisula360	Bernard, E. A	Brown, Walter A 105	Child altruism358	Crews, David301
Archaebacteria310	Bernard, Ora	Bruinsma, Bernard L 297	Childbirth medication 265 Childbood mental health 202	Crime rate, Japan377
Arctica islandica 360	Bernstein, Douglas A 170	Bryant, Thomas E	Children, Lead level 296	Crocodile
Arithmetical methods 186	Beta Canis Majorids 91	Bueding, Ernest	Children, Successful 202	Crowding
Arm, Artificial	Beta-endorphin	Buffington, Andrew321	China	Cruise missile 49, 60, 61
Aron, William406	Betelgeuse	Bunker, Linda 173	Chicken cancer342	Crustal uplift
Arp, Halton !!	Bielefeld, Brian358	Burch, J. D 245	Earthquakes	Crystal, Ronald G 296
Artificial organs 154	Bienenstock, Arthur I 427	Burchard, John D 25	Science	Currie, Malcolm R 60
Aschman, D. G 73	Big-number hypothesis 157	Burial grounds	Chiron	Cubist view, Human body 156 Cummins, R. A
Asher, Steven R	Bild, Richard W	Burley, Nancy 248	Chiron	Cytosine arabinoside121
Ashton, P. S	Bills, Bruce G	Burley, Nancy	Cholesterol 58	_
Aspartic acid 58	Bio-solar energy 72	Burton, John A 104	Chow, Louise T 71	D
Asphalt, Recycling392	Bioengineering 145, 154	Bustillo, Alex E 69	Christiensen, Douglas A 7	DBCP (dibromochloro-
Assousa, G. E 376	Biofeedback 22	Butler, Robert	Christiensen, Jon	propane)
Asteroid impacts	Biospace experiments, U.S 230	Byers, H. Randolph 253	Ciccone, J. Richard 29	DES422
Asteroid mining	Bird, Femur	c	Circadian rhythms 317	DMSP meteorological satellite408
Astronomical Observatory,	Bird, Oldest	-	Circuits, Integrated 427	DNA
Satellite 38	Birth rate	CERN lab research 4, 23	Circulatory dysfunction 280	See also: Recombinant DNA
Athletes 161,172	Black holes, Mini 73	CLIMAP Program358	Circulatory system 156 Clark, J. A	DNA, Animal gene . 70, 214, 233

INCORRECT ISSUE NUMBERS AND DATES SHOULD READ ISSUES 1 THROUGH 27,

JULY THROUGH DECEMBER 1977



DNA, Frog nuclei	E	Feibelman, W. A	Genetic makeup 104 Gentile, J. Ronald 90	Harris, Alan
215, 279, 421	r	Feldman, Heidi 70	Geomagnetic network 72	Hart, John E
DSM III	E. cali	Felske, James D 135	Geomagnetic storms 73	Hartig, George F 24, 199
Dach, Leslie 420 Daling, Janet R. 424	ELF radiation	Female-female pairing 10 Fence, Electric 409	Geosynchronous satellite 278 Gerber, Garth L 376	Hartmann, Ernest 201 Hartquist, T
Dams, M. and L90	EXAFS427	Fern, Water 246	Gergen, John G 404	Harvard Medical School 420
Dan, Alice J	Earth rotation	Fernow, R. C		Hastings, J. Woodland 101
D'Andrea, John 145, 154 Danielson, Robert E	Earthquakes California404	Ferris, Timothy 125	Gevarter, William B 217	Hawking, Stephen 45 Hawkins, David 425
Darnell, James E 71	Himalayas	Fertilizers, Future246		Hawks, Richard
Dau, Peter C	Turkey	Fiddler crabs	Gibbons, J. W	Hayes, Denis
Davidsen, Arthur F 24, 199	Eating behavior	Finck, A. Donald 265	Gibbs, Clarence 219	Hazum, Eli
Davies, Merton E	Ecology	Fire-resistant pajamas 316 Fish	Gilbert, Francis	Heacock, Ray
Davis, Raymond 216	Ecology	Fish, Mouthbrooders 24	Gilfallen Edward 201	Healing
Day, James 90	Eddy, John A	Fish, Ohio River	Gillman, David C. 232 Gilman, Peter A. 374	Hearn, Ann B
Deaf	Edelman, Gerald M 20	Fish mucus	Gilman, Robert	Hearing, Harnster 73 Heart disease 166, 214
Deep Sea Drilling 85, 215, 279	Edler, Inge G	Fisher, Jeffrey D	Gin and tonics 40	Heart surgery 5
Deimos	Edwards, Kay 326	Flinn, Edward A	Ginos, James Z	Heart valves, Artificial 392 Hearts, Artificial 154
Density/crowding 170	Eel, Moray 71	Flower-inhibiting hormones . 39	Girard, Jean-Pierre	Heat pumps/pipes 185
Dental fear 170	Egerton, É. N	Fluidized-bed combustion 134, 185	Glabe, Charles G 356	Hedgehog
Depression	Eicher, Eva M. 263 Eiseley, Loren C. 63 Eisenberg, John F. 77 Ekdahl, C. A. 91	Fluorescent lighting 58	Glass, Billy P	Heerer Alan I
DeRobertis, Eddy M 54	Eiseley, Loren C	Fluoride-cancer link 262	Glasses, Night 85 Glenner, George C. 219 Glomar Challenger 85, 279	Heeger, Alan J
DeSaussure, Hamilton 409	Ekdahl, C. A 91	Follin, J. W	Glow discharges	Hegyi, Dennis
Desert varnish	Elasticity	Foraminifera, Arborescent 292	Goddard, W. A 340	Height
Despain, Alvin	Electrical current, Skin 343 Electricity from coal 25	Forest, Pine	Goetz, Patricia L	Hemoglobin oxidation 427
Deuterium isocyanide 216 Deutsch, J. A 277	Electron beam 4	Forests, Tropical 353, 362 Formaldehyde, Interstellar 133	Goldanskii, V. I	Henderson, Donald 407 Henry, J. David 348
Developing	Eliason, Eric M	Forman, William 36	Goldberg, Bruce332	Hense, Sandra
nations 225, 234, 409 Devillers-Thiery, Anne 73	Emanuel, Irvin	Forrestal, James V 346 Fort, D. N	Goldin-Meadow, Susan 70 Goldmark, Peter C 373	Herb, S. W
Devine, Michael C 301	Emery, J. L 167	Foukal, P. V	Gonadotropin-releasing	Herbst, W 376
Diabetes 10	Emery, Robert E	Fowler, C. M 284	hormone	Herd, J. Alan
Diagnosis reliability 28 Diazepam	Emotional development,	Fox, George E	Gonorrhea vaccine 22 Goodman,	Herman, John R
Dichgans, Johannes 393	Child	Fox, James G	Howard M 36, 212, 214	Herpes virus 55, 116
Dickinson, William R 360 Dickson, Abigale G 201	Encare Oval	Fox, Kenneth	Gordon, Robert J 26	Herring, Pacific
Diethylstilbesterol422	Encephalitis116	Fractals	Gordon, Tavia	Herron, John T
Dileptomania 87	Endorphins	Fractional charge 120	Gossamer Condor 149 Goudsmit, Samuel A 373	Hessler, Robert R 292
Dillon, William 360 Dioxirane 340	Energy bills	Fraenkel, Dan	Gow, Charles	Heuser, John
DiPalma, Joseph R 92	Energy Department 199 Energy needs 225, 234	Frank, Richard 406	Grandmothers 265	Hey, Richard
Dirac, P. A. M 157	Energy plan	Franke, Werner W 250 Fraser, Jean	Grass pollen	Hicks, Phillip
Disadvantaged families 202 Distress call	Energy use	Fredrickson, Donald S 197, 420	Great Lakes	Highway traffic
Diving reflex	Engel, A. R	Freeman, B. L 284	Grechko, Georgi M 406	Hill, Daniel 372
Dixit, Padmaker	Enkephalins 58, 59, 265	Freese, K. B	Green, Bruce H	Hillaire-Marcel, Claude 120 Himalayas
Dodo bird	Enterprise	French-Soviet Venus mission 24	Greenberg, Joel 39	Hines, Colin 423
Dogs 237	Environment	Fridkin, Mati	Greene, J. L	Hinners, Noel
Dolan, A. B	Environmental Defense	Frieman, Edward 294	Greenhouse effect 68	Hirsch, Nina
Donnerstein, Ed232	Fund	Frogs	Greenspan, Donald 186 Griswold, Wait R 201	Hoffman, Brian
Dopamine receptors 342 Dopamine-related drugs 217	Epilepsy	Frolova, I. A	Gross National Product 361	Hogness, David 214 Holmes, David S 22
Douglas, S. D 189	Epstein, A	Fry, William E 259, 269	Groundwater removal 345	Hologram-acoustic system 409
Dowling, John E 40	Epstein, Arthur J	Fugman, Ruth A 94 Fullerton, Charles G 117	Guerin, Pierre 249	Holographic films, Projected 409
Drake, Frank	Erickson, D. J 284	Fusion, Imploded-pellet 21	Guillemin, Roger C. L 6, 58, 62, 260, 310, 372	Holroyd, Jean Corey 293 Holzer, Thomas J 345
Drachman, David219	Ervin, Frank	Fusion reactors 294	Gull, Theodore 41	Holzer, Thomas J 345 Holzworth, R. H 423
Dream model	See: E. coli	Fusions 4	Guils, Western	Homeliness
Deletere	Escobar, Javier I		Gurdon, J. B 54	Honeybees 392
Heavy 63	Eskimos 185, 389, 406 Essex, Myron 233	G	Guth, T. D	Hooten, Mack
Italian American 121 Legal age lowered 265	Ethyl alcohol280	CMC	Gutierrez, F. D	Hopson, Ebon 185
Moderate 102	Ethylene dibromide See: EDB	GMS		Hormone, GnRH 297
Social	Eubank, Masatoshi 120	Gaffney, Michael316		Hormone, Pregnancy 105 Hormones
Drinking glasses 185	European Space Agency 181	Galactic evolution 324	н	Hormones, Release ticket 73 Hornykiewicz, Oleh 342
Drinking water 233, 428	Evans, J. M	Galapagos Rift	HCG105	Hornykiewicz, Oleh342 Hotspot theory215, 264
Driving, Highway 85 Drooz, Arnie T 69	Evolution, Early 277	Gallagher, R. J 109	HEAO satellites 38, 119, 406	Houchens, David P 94
Drought	Explosions	Gallen, Mel	Hacker, Sylvia S	Household size
Drug legislation	2,00	Gamble, B. B 185	Hackney, Jack D 201 Hagmann, Mark J 156	Housing, Emergency low-cost
Drunk walking 393		Gamborg, Olaf	Hair dyes, Coal tar422	Howe, G. R
Druyan, Ann	F	Gamma rays 14, 73, 119 Gandhi, Om P	Haise, Fred W., Jr	Howe, Harold, II
Dubin, Theodore 214 Duck, Reading	French or Niclano II	Gangarosa, Eugene 189	Hall, Benjamin	Hozumi, Nobumichi214
Duck rapes	Faerber, Nelson, Jr 247 Fairbridge, Rhodes 120, 341	Gantt, David G	Hall, Charles F	Hua Kuo-feng
Dudek, Ronald	Faired Mahammad	Garn, W. B 284	Halo, Galaxy	Hubbs, Carl
Duffy, Robert I	al	Garrels, James	Halpin, Thomas J 180 Haltiwanger, Mary Ann 425	Huberman, Benjamin 54
Dunbar, Bonnie S	Family characteristics 153	Gasohol	Hammond, Norman 4 Handler, Philip 104, 310	Hudson River 233, 428 Hughes, David
Duxbury, Thomas C 295	Farmer, J. J. III 89 Farmland, Hilly 345 Farnsworth, A. V. 4 Fashion design 296 Fastie, William G. 24, 199	Gastrointestinal illness 395 Gates, David M 152	Handler, Philip 104, 310 Hang, Walter	Hughes, John 59
Duysens, Jacques344	Farnsworth, A. V 4	Gates, Norman	Hanker, I. S 200	Hule, Robert E
Duysens, Jacques 344 Dyer, C. S. 153 Dyer, K. F. 173	Fashion design	Gehrels, Tom311	Hannigan, Thomas A 42	Human-ape split 405
Dykman, Roscoe A 390	Fastie, William G 24, 199 Fasting	Gelinas, Richard E 71 Genazzani, Andrea 105	Hanratty, Margaret 201, 247 Hansen, P. H 196	Human body, Cubist view 156
	Feces test	Gene	Hansen, P. H	
	Fedde, Garry & Vicki 69 Feeley, John D 189	Intervening sequence 214, 233 Leader, DNA 70	Hardy, Ralph	
	Fefer, Alexander	Genealogies, Organisms 310	Harlow, Harry F	

Humidity meter/smoke	Jones, Robert E 265	Lava flows	MacGillivray, I 184	Microtrabecular system 241, 251
detector, Tiny 72	Jordan, Carl F	Law, Space 409	Macnair, M. R	Microwaves 44, 145, 154, 156
Hunt, Donnell R 345	lukes, Thomas H 92	Lawless, lames 277	Macromolecule, membranes 171	Miles, L. E. M
Hunt, George L., Jr 10	Juliano, Daniel B 90	Lawson, John	Madagascar 86, 102	Milgram, Stanley
Hunt, Molly Warner 10	Jupiter	Lazarus, Richard S 394	Magnetic field, Earth 276, 408	Military men
Hurst, John201	Jupiter Orbiter and Probe 52	Lead 185, 262, 296, 425	Magnetic field compression . 281 Magnetic flux 281, 284	Miller, A. B 245
Hurst, Ruth		Learning	Magnetic-reversal events 408	Miller, Gene
Hutchison, Dorris J 94 Hydrogen molecules 316	1.4	Lebovsky, Larry316	Magnetometers 72	Miller, Jeffrey 430
Hyer, Angus H 268	K	Lederman, Leon G 100		Miller, Ioel S 171
Hyndman, Roy D 360		Lee, Si Duk 171	Magnuson, Warren G 229	Miller, Lyle H 62
Hyperactivity 58, 90, 389	Kahn, Harold A 121	Lee, Tyrone	Magrum, Linda I	Miller, Robert M 342
Hypertension 394	Kahn, Herman 380	Leeper, R. J 4	Mahler, Hafdan 407	Mills, A. A
Hypothermia, Profound 5	Kameley, Daphne212	Legionnaires' disease 180	Malaria vaccine 55	Milne, E. A 157
	Kamilli, Diana C	Lehmann, Heinz 182	Malaysia 362, 363	Mimicry 71
	Kamp, Douglas	Leibowitz, Herschel W 85, 393	Male behavior	Mininukes 61 Minna, John D 294
	Kaplan, Norman395	Leibowitz, Howard M 121	Malley, Arthur	Minorities, Ph.D.s391
-	Karlov, Nicholas 27	Leigh, Tom	Malone, Thomas F 68	Mintz, Beatrice 263
ICBM 60	Karp, Alan H 91	Lengyel, Carl E	Man, tooth enamel405	Mispireta, Luis 5
IQ150	Karsenti, E 265	Leucaena 216, 234	Manabe, Syukuro 68	Mitchell, J. Murray 423
ISEE satellites	Kassel, Robert L 86	Leucaena 216, 234 Leukemia	Mandelbrot, Benoit 123	Miyoshi, D. S
Ice Age sea-level 360	Kastin, Abba J 7, 59	Leukemia, Cat	Manganese deficit	Moermond, T. C 152
Ice cap melting	Kato, Ichiro	Leukemia, Twins 184	Manheim, F. T	Moffett, Joseph O185
Iceberg utilization . 244, 298, 299	Keen, Noel T 269	Levi, Nissim 277	Marcy, H. Tyler	Monger, Theresa G 216
Icebreaker, Nuclear	Kellermann, K. I	Levin, Gilbert V 196	Marholin, David 312	Monkey ladder vine 353, 355
Idoxuridine	Kelly, P. M	Levine, David W 72	Marijuana	Monkeys 41, 129, 139
Imaizumi, Yoshinori 68	Kennedy, Donald 406	Lewis, Charles E 317	Marks, Vincent	Monogamy
Immune response217	Kennedy, Edward M 229	Lewis, Mary Ann		Monthly cycles 58
Immunization 104	Kennett, James P 358	Libby, Willard	Crust	Monti, Peter M 105
Immunodeficient child314	Khattri, K. N 408	Lieber, Charles 55	Frost	Moon
India	Khoury, George 71	Light bulb coating	Life	Polar
Infant deaths, Sudden 167	Kidney, Artificial 154	Light echo	Maps 305, 326, 329	Mining103
Infant-mother link 139	Kief, Phil	Light speed, Faster than 120, 390	North pole	Rocks 390
Infant visual behavior 373	Kieffer, Hugh H 329	Lightning 15, 408, 423	Moons	Science instruments213
Infants, Obesity 424	Kilometrics166	Liller, William 388	Movement on	Moore, John A 101
Inferences	Kin selection	Limb regeneration73, 343	Photographs 193, 205	Moore, Michael J 373 Morishima, Hisayo O 265
Ingvar, David H 219	Kirillin VA 36	Limbic system 74	Temperature 305, 329	Morozov, Georgi 165
Inoculations,	Kirillin, V.A	Lindeman, Raymond 151	Satellite	Morris, Elliot 193, 199
Plants 257, 268, 269	Kleiman, Devra G 76	Lindstrom, Jon	Volcano 205	Morse, Richard L 91
Plants 257, 268, 269 Insecticides, Natural 268	Klein, Harold P 230	Ling, Nicholas 58	Marsden, Brian G 72, 376, 388, 409	Morton, Donald107
Insulin gene research 212	Klein, Samuel 388	Lingappa, Vishwanath R 73	G 72, 376, 388, 409	Moss, Stanley D 155
Intelligent signals 313	Kleinknecht, Ronald A 170	Lingle, C. S	Marshak, William P 232	Mother-child relationship 213
Interferometry	Klemola, Arnold R 72	Lipps, Jere H 292	Marshall, Garry	Mother's prenatal
Intergalactic gas 36, 325	Klessig, Daniel 71	Liquor, Hard	Marshlands 84	disposition
Integration	Kline, Nathan S 182	Lis, St	Martin, Daniel S 93	Motorcycles 425
International Sun-Earth	Knowles, S. H	Lissiman, Peter	Martin, James G 12	Mott, Neville 260
Explorers	Koch curve122	Little League Phenomenon 25	Martin, Paul S 396	Mountain, Isabel M 94
Interstellar gases 216, 391	Kohlhase, Charles 132	Liu, Kang-Jen 171	Martinez, Richard I 340	Mountain building 341, 360 Moy, Gary W 356
Inupiat	Kohout, F. A	Liver damage	Marx, Gertie F	Moy, Jerry
lo clouds	Koizumi, Itaru	Livesey, P. J	Mason, John	Mudry, Karen
Ippen, Erich P 26	Kolff, Willem J 154	Lizards	Mastodon rib 198	Mueller, Erwin 373
Ippen, Erich P	Kompa, K. L 26	Lobster	Master, Patricia 58	Mulera, T. A 196
Irvine, Nelson 323	Konner, Mel J 74	Loeb, Gerald E 344	Mate choice, Pigeon 248	Muller, Richard A 44, 321
Irrigation, Seawater 53	Korn, Henri 20	Lomberg, Jon 124	Matheny, A. P., Jr 184	Müller-Eberhard, H. J 87
Isaacs, John 244	Korn, Sid	Long, Richard	Mating calls	Munakata, Katsura 269
Isenberg, Henry D 189 Ishida, Mizuho	Kosterlitz, Hans	Looters, New York 153	Matson, Dennis	Muon pairs 87
Island chains	Kowal, Charles 311, 388	Lourie, Janice 296	Maxam, Allan 214	Murcray, Frank J
Italian Americans 121	Krause, Richard	Lovas, F. J	Mayan ruins	Murray, Stephen 36
Ivory Coast 408	Kraybill, Herman F 262	Lowrie, Allen	Medical diagnostics 427	Murtaugh, John G 341
,	Krebs, Charles T 84	Lucy, Leon	Medicare	Musick, Patricia L 229
	Krebs, Ernst T., Jr 92	Lunar and Planetary Institute 316	Mediterranean Sea358	Myasthenia gravis391
	Kremer prize	Lunar Polar Orbiter 326	Medvedev, Zhores 37	Myelin
	Kringlen, Einar 166	Lunar rocks 390	Meinel, Aden361	Myocardial infection 392
JOP52	Krisch, A. D	Lung cancer 294	Meinel, Marjorie361	Myopia, Night 85
Jackson, Everett D 215	Kuchiev, Yuri S 135	Lung disease, Fibrotic 296	Meko, David M 423	
Jacobsen, Stephen 154	Kumar, T.C. Anand 424	Lyman, Donald J 154	Melanin 6 Melanocyte-stimulating	M
Jaffe, Lionel F 343	!Kung San tribe 65, 74	Lyman alpha line	hormone	14
James, I. M 376	Kwok, Sun 107	Lyon, Walter	Mello-phthalocyanines 171	NAS-VA hospital study 248
James, W. H		Lysine	Mellor, Malcolm 300	NAVSTAR system 6
Janata, Jiri	L	4	Membranes	NHDC388
Janzen, Daniel H	_	Mc	Men	NSF lead pollution report 425
apan lapan	LMC X-I216	1416	Menstrual synchrony 5	NTS-2 satellite 6
Children/suicides 377	LMFBR program 164, 312	McCain, Garvin 341	Mental health 198	Nader, Ralph
Crime rate 377	Lab chow	McCann, lovce	Mental illness 170, 361	Nagasubramanian, K 171
Honshu once larger 421	Laboratories, National 199	McCann, Joyce	Mercuric bromide laser 166 Mersky, Harold 165	Nall, Arthur
Industries 369, 378	Laetrile	McClintock, Martha K 5	Mertz, Janet E 55	Namiki, Masayoshi377
Technology 369, 378	Lake life	McClory, Robert 42	Merville, Albert 323	Nandy, Kalidas
Traffic control412	Lamborg, Marvin 246	McCord, Joan357	Message, Outer space 124, 211	National Academy of
Weather satellite 53	Lampton, Michael 313 Landsberg, Lewis 10	McCosker, John E 71	Metal tolerance	Sciences
Japan Trench	Lang, Anton	McDade, Joseph E 180	Metals, Organic 171	National Energy Plan 231
Jaramillo magnetic event 408 Jauncey, David L 70	Lang, Fred	McDevitt, Hugh	Meteorite, Madagascar 86, 102	National Medal of Science
Jaw wiring	Langley, David	McDonald, Lee	Meteorite impacts 341	Awards 372
Jellife, Derrick B 317	Language skills 70, 90	McIntosh R P	Meteorites, Antarctic 264, 297	National Science Foundation 54
Jellife, E. F. Patrice	Laramide orogeny 360	McIntosh, R. P	Meteorites, Chondritic II	National Wildlife Federation 24
		McNally, Karen M 404	Meteorological sounding-	Naturalist Center 297
Jennings, Donald E 391	Large-Area X-ray Survey 119		rocket data 91	Nautical drag
Jensen, James A 198	Larocca, Donna 397		Marhana Interestallar 201	N. In change and annual transfer
Jensen, James A 198	Larocca, Donna 397	,	Methane, Interstellar 391	Navigational satellite 6
Jensen, James A	Larocca, Donna 397 Laser Chemistry 17, 26	M	Methane, Interstellar 391 Methanogens	Nelson, Lois DeFleur 232
Jensen, James A. 198 Jet, Supersonic 212 Johnson, Curtis C. 156 Johnson, Eric 134	Larocca, Donna	м	Methane, Interstellar	Nelson, Lois DeFleur 232 Nelson, Margaret C 344
Jensen, James A. 198 Jet, Supersonic 212 Johnson, Curtis C. 156 Johnson, Eric 134 Johnson, G. Leonard 264	Larocca, Donna	М	Methane, Interstellar .391 Methanogens .310 Metrication .33, 42 Mexico, Marijuana .425 Meyers, Andrew .232	Nelson, Lois DeFleur 232 Nelson, Margaret C 344 Nemiroff, Martin J 200
Jensen, James A. 198 Jet, Supersonic 212 212 20hrson, Curtis C 156 Johnson, Curtis C 134 Johnson, G. Leonard 264 40hrson, lack 283	Larocca, Donna 397 Laser 17, 26 Chemistry 17, 26 Communication 25 Fusion 21, 36 Self-critical 69	M M-X 60	Methane, Interstellar .391 Methanogens .310 Metrication .33, 42 Mexico, Marijuana .425 Meyers, Andrew .232	Nelson, Lois DeFleur 232 Nelson, Margaret C 344 Nemiroff, Martin J 200
Jensen, James A.	Larocca, Donna 397 Laser 17, 26 Chemistry 25 Fusion 21, 361 Self-critical 69 Through seawater 166	M-X	Methane, Interstellar 391 Methanogens 310 Metrication 33, 42 Mexico, Marijuana 425 Meyers, Andrew 232 Mice 263 Microfossilized algae 245	Nelson, Lois DeFleur 232 Nelson, Margaret C. 344 Nemiroff, Martin J. 200 Neohesperidon dihydrochalcone 40, 388 Neptune 316
Jensen, James A. 198 Jet, Supersonic 212 Johnson, Curtis C. 156 Johnson, Eric 134 Johnson, G. Leonard 264 Johnson, Jack 283 Joint European Torus 294 Jones, Christine 366	Larocca, Donna 397 Laser 17. 26 Chemistry 17. 26 Communication 25 Fusion 21. 361 Self-critical 69 Through seawater 166 Lasker Awards 1977 359	M-X 60 MAROTS 181 MITI program 412	Methane, Interstellar 391 Methanogens 310 Metrication 33,42 Mexico, Marijuana 425 Meyers, Andrew 232 Micc 263 Microfossilized algae 245 Microorganism patent 247	Nelson, Lois DeFleur 232 Nelson, Margaret C 344 Nemiroff, Martin J 200 Neohesperidon dihydrochalcone 40,388 Neptune 316 Nerve activity 10,344
Jensen, James A.	Larocca, Donna 397 Laser 17, 26 Chemistry 25 Fusion 21, 361 Self-critical 69 Through seawater 166	M-X	Methane, Interstellar 391 Methanogens 310 Metrication 33, 42 Mexico, Marijuana 425 Meyers, Andrew 232 Mice 263 Microfossilized algae 245	Nelson, Lois DeFleur 232 Nelson, Margaret C. 344 Nemiroff, Martin J. 200 Neohesperidon dihydrochalcone 40, 388

Nerve cells 40	Paint removers233	Press	Roth, Julian A 93	Shabtai, Joseph 316
Ness, Norman	Pajamas, Fire-resistant316	Presurgical anxiety361	Roth, Martin221	Shah, Vinod K 150
Netschaevo meteorite 11	Palay, Sanford 20	Price, Jenny 54	Rowe, Bernard189	Shanab, Mitri E
Neuropil 40	Pa'ladium	Prigogine, Ilya	Roxburgh, lan W 157	Shapiro, Alvin P 394
Neutrinos		Propeller design345	Royer, Jeffrey 120	Shapley, Harlow
Neutron bomb 60, 61		Proteins, Cellular 121, 152	Rozonov, V	Sharma, Brahma 40
Neutron storage ring 407		Proteus mirabilis 104	Rubber cement	Sharp, Phillip A. 71
Newborn/mother213	Paranormal claims	Proton spin 196, 372	Rubber mirror	Shatalov, Vladimir 406
Newell, Guy R 262	Paraquat	Psychiatric diagnosis 28	Rubenthaler, Gordon L 297	Shaw, Herbert R 215
Newt eggs 54		Psychiatrists, Soviet 164, 346	Rubin, Ellis	Sheaffer, Robert
		Psychiatry ethics 164, 346	Ruiz, Luis 105	
Newton, William E 149	Parking pier	Psychologists	Bussell Michael I	Sheep
Nickel clay 277	Parkinsonism 217, 342	Psychologists	Russell, Michael J 5	Shell banding, Annual 360
Nicoll, Roger A 58	Parnass, Itzchak 21	Psychosurgery	Rutin	Shellfish
Nield, Kenneth	Parthenogenesis 263	Psychotherapy 237, 357	Rutter, Michael 202, 203	Shelus, Peter 72
Niell, A. E	Particle, Six quarks 372	Pulsed power devices 281, 284	Rutter, William J 212	Shepard, Charles C 180 Shepherd, Gordon M 20
Nif genes	Particle accelerators 401, 410		Ryumin, Valery 246, 406	Shepherd, Gordon M 20
Nitrogen-fixation 138, 149,	Particles, Charmed 73		Ryu, Kwan Hee345	Shields, Dennis 73
246, 426 Nitrous oxide	Patent, Microorganism 247	•		Shikama, Tokio 68
Nitrous oxide	Pathak, Sen	· ·		Shivers, C. Alex200
Nixon, Richard 232	Paulus, Paul B		•	Shock wave
Nixon, Richard	Pearson, Gary R 55	Quarks 100, 196, 372	3	Siciliano, Michael I. 377
Noble, Ernest P 105	Peck, Arthur	Quartz plugs 91		Siddiqui, Wasim A
Norethisterone	Peebles, P. J. E	Ouasars	SAT scores	Siggins, George R 58
Nortemisterone	Page interession 130 130	Quenby, J. J	SERENDIP	Simpson Robert 345
Norlyn, J. D 53	Peer interaction 129, 139	Quinn W F 91	SERIO satellite	Simpson, Robert
Nose spray	Peirce, John W 408	Quant, vv. L /1	SPEAR storage ring 427	Singleton, Louise C
Nöth, H 26	Pelicans, Brown 248		SSRL	Sinton, William 52
Nuclear bombs357	Penaloza, Dante 105	R	STELLA	6-thioguanine
Nuclear laser power 69	Perez, John	••	SV 40 chromosome 233	Sky catalog, Gamma ray 14
Nuclear power plant 420	Periodontal disease217	0	Coochasia 1 12 40 245 200	Slade, David 375
Nuclear proliferation 231, 357	Perlman, Daniel 104	Race relations	Saccharin 1, 12, 40, 245, 388	Slayton, Donald K 117
Nuclear security 38, 97, 108	Perrin, Jean	Racker, Efraim 372	Sack, Bradley	Sleep, Dream 201
Nuclear wastes	Perry, Hart, Jr 409	Racy, John	Saffiotti, Umberto 12	Sleep-wake disorder 317
Nucleotide sequence,	Pest-resistant plants 268	Radiation, Low level 145, 154	Sagan, Carl 86, 124, 197	Sloth, Ground
Intervening 214, 233	Pesticides 100, 151	Radio astronomy, Planetary . 166	Sager, Naomi 409	Smallpox
Alund Disas	Pet foods	Radioactive mishap, Soviet 37	Sakharov, Andrei 284	Smell 348, 393
Nyad, Diana 172		Radioimmunoassay 297 Ralston, Henry J., III 21	Salthouse, A. J 196	Smith, Bradford 52, 249
Nylander, P. P. S 184	Peters, John E 390	Raiston, Henry L. III 21	Salyut 6	Smith Clifferd V to
	Peters, Kevin 183	Ramapithecus punjabicus 405	Sambrook, Joe 71	Smith, Clifford V. Jr 109
	Peters, Susan	Randi, James	Samuelsson, Bengt 359	Smith, David
0	Peterson, Bruce A 121	Rapes, Duck	San Andreas fault 404	Smith, Malcolm G 69
•	Petrolacosaurus kansensis 7		San Francisco Bay 307	Smith, Philip M 54
	Petroleum hydrocarbons 392	Rasool, Ichtiaque	San Francisco Bay	Smithsonian Institution 297, 401, 410
OTS satellite	Petroleum refiners423		Sandford, Maxwell	Institution 297, 401, 410
Oates, Joan	Ph.D.s	Ratner, L. G	Sandler, B 196	5mog
Obedience studies 117	Phi body 200	Rats	Sandman, Curt A 62	Smoke detector/
Oberg, James E 231	Philip II of Macedon 389	Rattlesnake406	Satellites	humidity meter, Tiny 72
Obesity	Phillips, David P 10	Raven, P. H	CTS (Interferometry) 278	Smoot, George 44
Obesity, Infant 424	Phobos 120, 295	Rayhrer, Benno 278	GMS (Japan/weather) 53	Smyth, William H 333
Object Kowal 311, 376, 388, 409		Raynal, D. M317	HEAO38, 119, 406	Snakebite treatment 407
Observatory, Hat Creek 313	Photosynthesis	Reactors, Fusion 294	ISEE276	Sanker Loading Load 301
	Physical education 174	Reading duck 153	Intelsat IV-A 228	Snakes
Observatory, Small 323	Physicians 265	Recombinant DNA	NTS-2 (Navigational) 6	Snell, Ronald L 216
Ocean drilling 85, 279	Physics 186	See also: DNA	OTS181	Sneller, Todd 280
Octopus	Phytoalexins	Recombinant DNA regulation	SERIO (Italy)	Snyder, Ruth424
Odors 5	Pickling food, Chinese343	Recombinant DNA regulation		Snyder, Solomon342
O'Fallon, J. R	Pig aortic valves392	36, 212, 229, 391, 420	STELLA181	Snyder, Walter S 360
Office of Science and	Pigeons 248	Recombinant DNA	Vela (Lightning detection) 15	Soderblom, Lawrence A 326
Technology Policy 54	Pihl, R. O	research 70, 214, 233, 246, 310	Sato, Gordon 377	Soffen, Gerald 183
Ohio River fish	Pilbeam, David405	Recording, Audio-visual 124, 125	Saturn	Sofia, Salatino359
Oil spills 84	Pilcher, Carl B	Red squirrel fish 251, 253	Saunders, James C 73	Solar Action 280
O'Keefe, Stephen J. D 40	Pioneer 11 249, 315, 390	Red tide poison 201	Saunders, Walt	Solar concentrator313
Oldale, Robert	Pioneer 11 247, 313, 370	Redshifts 11	Savage, B. D 52	Solar cycle
Oldershaw, Vern 149	Pituitary glands,	Regeneration, Limb 73, 343	Scala, Joseph	Solar furnace
	Camel/sheep 424	Reich, Theodore	Scarr, Sandra150	
O'Leary, K. Daniel 58	Pituitary tumors 71	Reinhart, John B 393	Scavenging	Solar sector boundary 423
Olinger, Charles P 280	Plag, John A 182	Reining, Priscilla 285	Schabel, E. M., Jr 94	Solar-terrestrial relation 264
Olson, Maynard 214	Planetary radio astronomy		Schaffer, Robert B 430	Solar variability/weather 423
Olson, R. H 423	See: Radio Astronomy,	Reischauer, Edwin381		Solomon, Philip
Omenn, Gilbert S 54	Planetary	Reisz, Robert R	Schally, Andrew V 260	Somatastatin310
Onda, Masahiko	Plant	Relativity theory313	Scheibel, Arnold B 40	Somers, G. Fred 53
O'Neill, Gerald K 103	Cells 246	Rentzepis, Peter M 183	Scheiner's sunspot data 374	Soter, Steven 120
Ong, K. M	Diseases 257, 268	Reptile, Diapsid 7	Schempp, W. V	Souza, Kenneth 230
Oocytes 54	Inoculations 257, 268	Resonance 87, 100, 372	Schizophrenia 28, 105, 167,	Soviet laser fusion 361
Optic glands, Octopus 375	Pests 268	Retina nerve 40	182, 201, 342	Soviet moon rocks 390
Orangutan tooth pattern 405	Plants, pest-resistant 268	Revelle, Roger 68	Schizophrenia symptoms 361	Soviet psychiatric practices . 164
Oregon coast	Plasma guns 284	Review of the Year434	Schmid, Franz A 94	Soviet space craft230
Organic metals	Plasmapheresis 391	Rheumatoid arthritis 215	Schmitschek, Erhard J 166	Soviet space station 229
Organisms, Living360	Plate techtonics 279, 345,	Rhodamine-6G313	Schmitschek, Erhard J 166 Schrauzer, Gerhard N 246	Soviet Soyuz 25
	360, 404	Rhodopsin 183, 216	Schultz, P. F 196	Soviet Soyuz 26 406
Orion cloud	Plesetsk Cosmodrome 230	Rhythmic change 58	Schwann cells	Soviet UFO
Orion nebula		Ribbink, A. J 24	Schwartz, Barry 313	
Osborn, Mary250	Plesiopid fish	Richmond, Julius B 104	Science News-Letter	Soy sauce
Osmer, Patrick S 69	riyushch, Leonid104			Spacapan, Shirlynn 170
Ostrander, N. C 299	Pneumonia vaccines 292	Rickover, Hyman G 164	Science review of year 434	Space colonization103
Ostriker, Jeremiah 325	Pollaine, Steve 321	Riddihough, Robin P 360	Scientific agreement,	Space law 409
Ostrom, John H 198	Pollutants, Recycle430	Riedel, Gerald E 138	U.SUSSR 36	Space shuttle 23, 72, 117,
Ott. John 58	Polyacetylene	Riggs, Arthur 310	Scientists, Women 279	Space station, Soviet 229
Ou, Suh-Yun L	Polymer, Conducting 171	Riley, Robert E 25	Scott, Robert E 55	Space station, Soviet 229
Ovejera, Artemio A 94	Polypeptide, Pituitary 6	Rinck, R	Sea level, Ice Age360	Space suit, Germ-free 314
Overgrazing	Psoley, A. C 41	Roberts, Richard J 71 Roberts, Walter Orr 423	Seafarer	Space-time 157
Overobedience	Porcupine	Roberts, Walter Orr 423	Seawater irrigation 53	Space travel effects 230
	Porter, Keith R 251, 372	Robertson, Joan F 265	Security, Nuclear 38, 97, 108	Sparks, David W 425
Overprotection 105	Porter, Neil 73	Robot, Coin-operated 248	Seeman, Philip . 342	Sparrows
Owens, D. Alfred 85	Positron-Electron Project	Roche limit	Seeman, Philip	
Oxprenolol	(DED)		Self-similarity	Spat, Oyster
Oyster reproduction 425	(PEP)	Rock art 90		Speckle interferometry 320
Ozone	Potter, Russell M316	Rock containing bacteria 360	Selikoff, Irving J 100	Speech synthesizer 409
	Pottery, Ubaid-style 360	Rockets 24, 91, 228	Sellin, Theodore247	Speech translated425
P	Povenmire, Harold 86	Rogers, Paul G	Selye, Hans	Sperm/Egg bond356
100	Prance, Ghillean T362	Rogers, S 23	Semipalatinsk	Spermicide
	Pregnancies	Romanenko, Yuri 406	Sengor, A. M. Celal 345	Spermicide
PBB100, 101, 297	Pregnancy emotional	Romanovicz, G. D. K 200	Senility 209, 218	Spiegel, I. P
PEP (Positron-Electron	problems	Rose, Robert 394	Senturia, Stephen D 72	Spiegel, J. P
Project) 427	Pregnancy hormone 105	Rosenblatt, Richard 69	Serotyping, E. coli 189	Spitzer, Robert L 28, 29
POWs182	Presidency	Ross, Hazel E 323	Sex, Teenage101	Sports performance172
Pacific Northwest 345, 360	President's Committee on	Ross, Patrick, Jr 301	Sexual disorders 105	Sportile I R 153
Pain	Science and Technology 54	Ross Ice Shelf 264, 293, 407, 421	Sexual intercourse 293	Spotila, J. R
Painkillers, Natural 6	Press, Frank 36, 54, 372	Rossman, George R 316	Seyfert, Carl K 341	Sputnik I
				speciality 1

Stadtman, Verne	T	Tranquilizers	Vitamin B17 427	Widner, M. M 4
Stage fright		Trebach, Arnold 392	Voikhanskaya, Marina 164	Wilcox, John M 423
Staggers, Harley O 229	T cells 40	Tree, Calvaria major 138	Vokac, P. R	Wilmore, Jack H 173
Stahl, S. S	TCNQ solids	Trevira 271	Volcanoes 120	Wilson, Charles 71
Stam, F. C	TV violence 25, 201, 247	Trias, John A 166	Volland, H 264	Wilson, Charles
Star chart 15, 63, 142, 204,	TaC-graphite composite 25	Tropical forests 353, 362	Vorticity	Wilson, M. A
266, 365, 441	Tactile sensations 425	Trotter, Dorothy E 374	Vostrukhov, Y 153	Wilson, R. S 184
200, 303, 491	Talbot, Bernard 420	Tuck, Chan Hung		Windmills 72, 225, 234
Star formation 359, 376	Tanaka, Yukio	Tumerman, Lev	Voyagers I & 2 132, 165	Winick, Herman426
Star pulsing		Tumors 10		Wiring, Aluminum 296
Stars, Young	Tannin 268	Tungsten	34/	Wisniewski, Henryk 219
Stastny, Peter	Tantalum carbide 25	Tunguska	W	Wodinsky, Isidore 94
Steel production, Japan 379	Tarnowski, George S 94	Tunneling277	MA 4 - NE-1-1- 212	Wodinsky, Jerome 375
Stellar cloud 106	Tarter, Jill	Turboprop aircraft 345	Wade, Nicholas 212	Woese, Carl R
Stellar winds 106, 107	Tassava, Roy A 73	Turkey, Eastern 345, 408	Wadt, W. R	Wolf, Stewart398
Stereo-microscopy251	Taste differences 104	Turman, Bobby N 15, 408	Wagner, N. R 109	
Steroids, Oral	Taube, Henry		Wagner, Victoria425	Wolfe, John 249
Stethoscope, Electronic 280	Teague, Olin 247	Turner, K. C 376	Wagonner, Joseph K 12	Wolfe, Ralph S
Stetton, DeWitt, Jr 212	Technology-exchange	Turtle reproduction 152, 248	Waiss, Tony	Wolfe, Sidney 422
Stevens, Leroy C 263	service 152	Twemlow, Stuart W 393	Walker, Bailus, Jr 296	Wolosewick, John J 253
Steward, Gregory P 405	Teenage drinking 265	Twins 166, 184	Walking, Drunk 393	Women
Stickgold, Robert 104	Teenage sex		Wallace, Terry	Athletes 161, 172
Stickley, C. Martin	Teicher, Martin H 393		Walsh, Froma 105	Men's attitudes 232
Stickney	Tektites, Ivory Coast 408	U	Walsh, John	Ph.D.s 58, 391
Stier, Mark T	Telescopes		Walsh, Marilyn 109	Professional 232
Science I V C	Television		Walsh, R. N	Scientists
Stimmel, K. G 109	Television	UFO, Soviet	14/s/s-s-s 14/ D 270	Wood, Brian
Stipanovic, Robert 268	Teller, Morris H 94	US/USSR exchange 36, 263	Waltman, W. B	
Stock, C. Chester 94	Temperature probe 7	US/USSR rocket soundings 91	Walton, Nancy Y 277	Woodrat
Stockert, Elisabeth 94	Temple, Stanley A 138	Ubaid-style pottery 360	Ward, Alan J	Woolf, Neville 107
Stockton, Charles W 423	Tenaza, Richard R 138	Udall, Morris	Wardecker, Arthur L 185	Wootten, H. Alwyn216
Stockwell, Brian	Tengey, Ward 268	Udenfriend, Sidney 6	Wasps, Parasitic 69	Work performance 170
Stokley, James	Terpin, K. M	Uhlenbeck, George E 373	Wasserman, Jack F 280	Wyllie, Andrew H 54
Stone, Adair	Terry, Robert	Uhuru satellite 36	Wasson, John T	Wyss, Max 408
Storms, Geomagnetic 73	Terwilliger, K. M 196	Ullyot, Joan	Waste dumping	
Strand, Mette	Testosterone	Underwood, David 372	Watanabe, Yasushi	
Strauss, John S 28	Textiles 296	Universe, Closed	Water fluoridation262	×
	71 1 6 279	Oniverse, Closed 30		
Strebtomyces vellosus 247				
Streptomyces vellosus 247	Theodosiu, George 372	Universities, China375	Water pollution	-
Stress 166, 170, 202, 385, 394	Thermal patterns424	Upsilon 100	Water uses 283	X-ray binaries 313, 406
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns 424 Thermonuclear fusion 4.21	Upsilon	Water uses	X-ray binaries 313, 406
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns	Upsilon	Water uses	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns 424 Thermonuclear fusion 4, 21 Theta pinch 91, 281 Thier, Samuel 197 Thinking, Logical 41	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns 424 Thermonuclear fusion 4, 21 Theta pinch 91, 281 Thier, Samuel 197 Thinking, Logical 41 Third world nations 234	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weaver, William Bruce 323	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns 424 Thermonuclear fusion 4, 21 Theta pinch 91,281 Thier, Samuel 197 Thinking, Logical 41 Third world nations 234 Thom, Karlheinz 69	Upsilon	Water uses 283 Wasson, James D. 420 Weaponry 49, 60, 61 I Weather satellite 53 Weavher/solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns .424 Thermonuclear fusion .4.21 Theta pinch .91.281 Thier, Samuel .197 Thinking, Logical .41 Third world nations .234 Thom, Karlheinz .69 Thomas, Charles A. .420	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Weed, Tropical 216	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns	Upsilon 00 Uranus 52,72,316 Urine marking 348 Urine test 181	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weater/solar variability 423 Weber, Kilus 250 Weber, Klus 250 Wed, Tropical 216 Weekes, Trevor 73	X-ray binaries
Stress 166, 170, 202, 385, 394	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weather/solar variability 423 Weber, Klaus 250 Weber, Klaus 250 Weed, Tropical 216 Weeks, Trevor 73 Weeks, Wilford E 244, 298	X-ray binaries
Stress 166, 170, 202, 385, 394	Thermal patterns 424 Thermonuclear fusion 4, 21 Theta pinch 91, 281 Thier, Samuel 197 Thinking, Logical 41 Third world nations 234 Thom, Karlheinz 69 Thomas, Charles A 420 Thomas, Margaret Hanratty Hanratty 201, 247	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Weed, Tropical 216 Weekes, Trevor 73 Weeks, Wilford F 244, 298 Weight 23, 184	X-ray binaries
Stress . 166, 170, 202, 385, 394 Strom, S. E. . 324 Struhsaker, Jeanette . 392 Stunkard, Albert J. . 32 Submarine communications system . 101 Suckling . 393 Suckling . 393 Suenram, R. D. . 340 Sugiura, Kanematsu . 94 Suicides . 10, 377	Thermal patterns .424 Thermonuclear fusion 4, 21 Theta pinch .91, 281 Thier, Samuel .197 Thinking, Logical .41 Third world nations .234 Thom, Karlheinz .69 Thomas, Charles .420 Thomas, Margaret Hanratty Thomas, Peter .295	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Weed, Tropical 216 Weekes, Trevor 73 Weeks, Wilford F 244, 298 Weight 23, 184	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E. 392 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suenram, R. D 340 Suglura, Kanematsu 94 Suicides 0, 377 Sulfur dioxide 171	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Weed, Tropical 216 Weekes, Trevor 73 Weeks, Wilford F 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E	Thermal patterns 4.24 Thermonuclear fusion 4.21 Theta pinch 91, 281 Thier, Samuel 1.97 Thinking, Logical 41 Thinking, Logical 481 Thoms, Carleina 69 Thomas, Charles 420 Thomas, Margaret Hanratty Hanratty 201, 247 Thomas, Peter 295 Thompson, Ida 360 Thorington, Luke 135	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Weed, Tropical 216 Weekes, Trevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weiner, Herbert 395	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suenram, R. D 340 Sugiura, Kanematsu 94 Suicides 0, 377 Suffur dioxide 71 Summers, Frank 105 Sun cycles 264	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Klaus 250 Weber, Klaus 250 Week, Tropical 216 Weekes, Trevor 73 Weeks, Wilford F 244, 298 Weight 22, 184 Weinberg, Jack 165, 198, 347 Weiner, Herbert 395 Weismuller, Johnny 172	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Y Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388
Stress 166, 170, 202, 385, 394	Thermal patterns 424 Thermonuclear fusion 4, 21 Theta pinch 91, 281 Thier, Samuel 197 Thinking, Logical 41 Thinking, Logical 41 Thom world nations 234 Thom, Karlheinz 69 Thomas, Charles A 420 Thomas, Margaret Hanratty Hanratty 201, 247 Thompson, Ida 360 Thorington, Luke 135 Thomback, Jane 104 3-D X-ray scan 217	Upsilon 100 Uranus 52,72,316 Urine marking 348 Urine test 181 VA hospital system 248 Vacquier, Victor D 356 Vale, Wylie 310 Valentine, Raymond C 246 Valium 277 van Aaken, Ernst 174	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weather/solar variability 423 Weber, Klaus 250 Weber, Klaus 250 Weed, Tropical 216 Weeks, Frevor 73 Weeks, Trevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weiner, Herbert 395 Weiss, Gabrielle 390	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 1117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297
Stress 166, 170, 202, 385, 394 Strom, S. E.	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Weed, Tropical 216 Weekes, Frevor 73 Weeks, Wilford F 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinner, Herbert 395 Weismuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Irv 233	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E. 392 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suckling 394 Sugliura, Kanematsu 94 Sugliura, Kanematsu 94 Sulfur dioxide 171 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 270 Sunspots 264 374 423 Sunspots 264 374 423	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weather/solar variability 423 Weber Klaus 250 Weber, Klaus 250 Weed, Tropical 216 Weeks, Frevor 73 Weeks, Wilford F 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weismuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Irv 233 Weissman, Sherman 233	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Y Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278
Stress 166, 170, 202, 385, 394	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellike 423 Weather/solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Weed, Tropical 216 Weekes, Frevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weiner, Herbert 395 Weiss, Marchaufer, Johnny 172 Weiss, Sabrielle 390 Weiss, Irv 233 Welch, Jack 313	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S. 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsalker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suckling 394 Suenram, R. D 340 Sugiura, Kanematsu 94 Suicides 0, 377 Suffur dioxide 71 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suomi, Stephen 129, 139 Suomi, Stephen 129, 139 Suomi, Stephen 129, 139	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Klus 250 Weber, Klus 250 Week, Sirevor 73 Weeks, Trevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinser, Herbert 395 Weissmuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Irv 233 Weissmuln 233 Weissmuln 313 Welds, Kathryn 232	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Y Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262
Stress 166, 170, 202, 385, 394	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weather/solar variability 423 Weber, Klaus 250 Weber, Klaus 250 Weed, Tropical 216 Weekes, Trevor 73 Weeks, Trevor 74 Weeks, Wilford E 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weiner, Herbert 395 Weiss, Sabrielle 390 Weiss, Irv 233 Weisch, Jack 313 Welch, Jack 313 Wels, Saharon 102	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S. 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suenram, R. D 340 Sugiura, Kanematsu 94 Suicides 0, 377 Suffur dioxide 71 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suomi, Stephen 129, 139 Suomi, Stephen 129, 139 Suomi, Verner E 373 Supernova remnant 41, 216 Supernovas 376	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Klaus 250 Weber, Klaus 250 Week, Solar use 73 Weekes, Trevor 73 Weeks, Wilford F. 244, 298 Weight 22, 184 Weinberg, Jack 165, 198, 347 Weiner, Flerbert 395 Weismulle, Johnny 172 Weiss, Gabrielle 390 Weiss, Frv 233 Welsh, Jack 313 Weld, Jack 313 Welds, Kathryn 232 Wesson, Robert L 133	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 117, 7alow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklhiko 372
Screes 166, 170, 202, 385, 394	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather satellite 53 Weather/solar variability 423 Weather/solar variability 423 Weber Klaus 250 Weber, Klaus 250 Webed, Tropical 216 Weeks, Wilford E 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weinser, Herbert 395 Weiss, Gabrielle 390 Weiss, Irv 233 Wels, Jack 313 Welds, Kathryn 232 Wells, Sharon 102 Wessphal, Heiner 71	X-ray binaries
Stress 166, 170, 202, 385, 394 Strom, S. E.	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Kilaus 250 Weber, Klaus 250 Weeke, Trevor 73 Weekes, Frevor 73 Weight 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weismulle, Johnny 172 Weiss, Sabrielle 390 Weiss, Irv 233 Welch, Jack 313 Welds, Kathryn 232 Wells, Sharon 102 Wesson, Robert L 133 Westphal, Heiner 71 Wetherald, Richard 68	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 1117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J. L 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklihiko 372 Yonas, Gerold 4 Yoshimoto, Voshio 105
Stress 166, 170, 202, 385, 394 Strom, S. E. 392 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suckling 394 Suckling 394 Suckling 395 Suckling 396 Suglura, Kanematsu 94 Sulfur dioxide 171 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suomi, Stephen 19, 139 Suomi, Stephen 19, 139 Suomi, Stephen 373 Supernova remnant 41, 216 Supernova remnant 41, 216 Superprobe 155 Supersonic jet 212 Surface imperfections 427	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Klaus 250 Weber, Klaus 216 Weeks, Irevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weiner, Herbert 395 Weismuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Irv 233 Welds, Sathryn 233 Welds, Sathryn 232 Wels, Sharon 102 Wesson, Robert L 133 Westphal, Heiner 71 Wetlands 248	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yainya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akinliko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 105
Stress 166, 170, 202, 385, 394 Strom, S. E. 392 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suckling 394 Suckling 394 Suckling 395 Suckling 396 Suglura, Kanematsu 94 Sulfur dioxide 171 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suomi, Stephen 19, 139 Suomi, Stephen 19, 139 Suomi, Stephen 373 Supernova remnant 41, 216 Supernova remnant 41, 216 Superprobe 155 Supersonic jet 212 Surface imperfections 427	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Kilaus 250 Weber, Klaus 250 Weeke, Trevor 73 Weekes, Frevor 73 Weight 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weismulle, Johnny 172 Weiss, Sabrielle 390 Weiss, Irv 233 Welch, Jack 313 Welds, Kathryn 232 Wells, Sharon 102 Wesson, Robert L 133 Westphal, Heiner 71 Wetherald, Richard 68	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 1117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J. L 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklihiko 372 Yonas, Gerold 4 Yoshimoto, Voshio 105
Stress 166, 170, 202, 385, 394 Strom, S. E.	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Klus 250 Weber, Klus 250 Weber, Klus 250 Weekes, Trevor 73 Weekes, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinser, Herbert 395 Weissmuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Irv 233 Weiss, Irv 233 Welds, Kathryn 232 Welds, Kathryn 232 Weston, Robert L 133 Westphal, Heiner 71 Wetherald, Richard 68 Wetlands 248 Weymann, Ray 106 Whale, rotten 68	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yainya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akinliko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 105
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsalker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suckling 394 Suenram, R. D 340 Sugiura, Kanematsu 94 Suicides 0, 377 Suffur dioxide 171 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suomi, Stephen 129,	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber Klaus 250 Weber Klaus 250 Weeke, Siles 73 Weekes, Frevor 73 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weisner, Herbert 395 Weismuller, Johnny 172 Weiss, Sabrielle 390 Weiss, Irv 233 Welss, Irv 233 Welch, Jack 313 Welch, Sack 313 Wels, Sharon 102 Wesson, Robert L 133 Westpall, Heiner 71 Wetherald, Richard 68 Wetlands 248 Weymann, Ray 106	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yainya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akinhiko 372 Yohoas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 100 Young, Richard S 196
Stress 166, 170, 202, 385, 394 Strom, S. E.	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Sacilike 42 Weather Solar variability 423 Weather Solar variability 423 Weber Klaus 250 Weber Klaus 250 Weber Klaus 250 Weekes, Trevor 73 Weskes, Frevor 23, 184 Weinberg, Jack 165, 198, 347 Weiner, Herbert 393 Weismer, Herbert 390 Weiss, Sabrielle 390 Weiss, Irv 233 Welsh, Sarbran 233 Welds, Kathryn 232 Wells, Sharon 102 Westson, Robert L 133 Westphal, Heiner 71 Wetherald, Richard 68 Wetjand 68 Wetjann, Ray 106 Whales, Bowhead 185, 369, 406	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yainya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akinliko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 105
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suenram, R. D 340 Sugiura, Kanematsu 94 Suicides 0, 377 Suffur dioxide 71 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suomi, Stephen 121, 139 Suomi, Stephen 129, 139 Suomi, Stephen 129, 139 Suomi, Stephen 129, 139 Suomi, Stephen 121, 125 Supersonic per 155 Supersonic per 155 Supersonic per 212 Surface imperfections 427 Surgical opinions, Second 315 Sweeteners, Artificial 40, 388 Swenson, G. W. Jr. 278	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Klaus 250 Weber, Klaus 250 Weber, Klaus 216 Weber, Tevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 169, 198, 39 Weismuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Fry 233 Weiss, Sabrielle 390 Welds, Kathryn 232 Welds, Kathryn 232 Wesson, Robert L 133 Westphal, Heiner 71 Wetherald, Richard 68 Wetlands 248 Wetymann, Ray 106 Whale, Fotten 68 Whales, Sperm 389, 406 Whales, Sperm 399, 4	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yainya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akinhiko 372 Yohoas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 100 Young, Richard S 196
Stress 166, 170, 202, 385, 394	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber Klaus 250 Webel 216 Weekes, Trevor 73 Weekes, Trevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weinberg, Jack 395 Weismuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Irv 233 Wels, Jack 313 Welds, Sathryn 232 Wells, Sharon 102 Wesson, Robert L 133 Westphal, Heiner 71 Westphal, Heiner 71 Wettands 248 Weymann, Ray 106 Whale, rotten 68 Whales, Sowhead 185, 389, 406	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklhiko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 10 Young, Richard S 196
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suckling 393 Suenram, R. D 340 Sugiura, Kanematsu 94 Suicides 03, 377 Suffur dioxide 171 Summers, Frank 105 Suffur dioxide 171 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen J 129, 139 Suomi, Stephen J 129, 139 Suomi, Verner E 373 Supernova remnant 41, 216 Supernovas 376 Superprobe 155 Supersonic Jet 212 Surface imperfections 427 Surgery, Micro 471 Surgical opinions, Second 315 Sweeteners, Artificial 40, 388 Swenson, Paul 155 Sweft, Dean 42 Swift, Dean 42	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Kilaus 250 Weber, Klaus 250 Weber, Klaus 250 Weeke, Trevor 73 Weekes, Frevor 73 Weight 244, 298 Weight 22, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weismulle, Johnny 172 Weiss, Sabrielle 390 Wess, Ferbert 233 Wels, Irv 233 Welch, Jack 313 Weld, Jack 313 Weld, Kathryn 232 Wells, Sharon 102 Wesson, Robert L 133 Westphal, Heiner 71 Wetherald, Richard 68 Wetlands 248 Weymann, Ray 106	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Y Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akkhiko 372 Yonas, Gerold 44 Yoshimoto, Yoshio 105 Young, Jarnes B 10 Young, Richard S 196
Stress 166, 170, 202, 385, 394 Strom, S. E. 392 Stunkard, Albert 392 Stunkard, Albert 232 Stunkard, Albert 393 Suckling 393 Suckling 393 Suckling 393 Suckling 394 Suckling 394 Suckling 394 Suckling 395 Suckling 396 Suckling 397 Suckling 398 Suffice 170 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suriarsi in principle 129, 139 Suomi, Stephen 129, 139 Suo	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber, Klaus 250 Weber, Klaus 216 Webekes, Trevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weinser, Herbert 395 Weiss, Gabrielle 390 Weiss, Gabrielle 390 Weiss, Irv 233 Welds, Sathryn 233 Welds, Sathryn 232 Wels, Sharon 102 Wesson, Robert L 133 Westphal, Heiner 71 Wettands 248 Weymann, Ray 106 Whale, rotten 68 Whales, Sperm 389, 406 Whales, Sperm 389, 406 Whales, Sperm 389,	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 111, 72 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J. L 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akihiko 372 Yonas, Gerold 4 Yoshimoto, Oshio 105 Young, James B 10 Young, Richard S 196 Zamora, Ronny 247 Zaret, Thomas M 244
Stress 166, 170, 202, 385, 394 Strom, S. E.	Thermal patterns	Upsilon 100 100 100 101 10	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weaver, William Bruce 323 Weber, Klaus 250 Wede, Solar Salar 216 Weekes, Trevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinner, Herbert 395 Weismuller, Johnny 172 Weiss, Sabrielle 390 Weiss, Irv 233 Wels, Irv 233 Welds, Kathryn 232 Welds, Sharon 102 Wesson, Robert L 133 Westphal, Heiner 71 Wetherald, Richard 68 Wetlands 248 Weymann, Ray 106 Whales, Bowhead 185, 369, 406 Whales, Sperm 389, 406 Whales, Sperm 389, 406 Whels, Sperm 3	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yashya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akihiko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 100 Young, Richard S 196 Zamora, Ronny 247 Zaret, Thomas M 244 Zaret, Thomas M 244 Zebras 104
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsalker, Jeanette 392 Stunkard, Albert . 232 Submarine communications system	Thermal patterns	Upsilon	Water uses 283 Watson, James D. 490 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber Klus 250 Weber, Klus 250 Weber, Klus 250 Weber, Klus 244 Weber, Trevor 73 Weeks, Trevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weinberg, Jack 395 Weismuller, Johnny 172 Weiss, Gabrielle 390 Weiss, Irv 233 Weiss, Irv 233 Welds, Kathryn 232 Welds, Kathryn 232 Welds, Kathryn 232 Wels, Sharon 102 Wesson, Robert L 133 Wetphal, Heiner 71 Wetherald, Richard 68 <td>X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 1117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J. L 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklihiko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 10 Young, Richard S 196 Zamora, Ronny 247 Zaret, Thomas M 24 Zebras 104 Zebras 104 Zelozies 104 Zelozies 316</td>	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 1117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J. L 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklihiko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 10 Young, Richard S 196 Zamora, Ronny 247 Zaret, Thomas M 24 Zebras 104 Zebras 104 Zelozies 104 Zelozies 316
Stress 166, 170, 202, 385, 394 Strom, S. E.	Thermal patterns	Upsilon 100 100 100 101 10	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber Klaus 250 Weber Klaus 250 Weeke, Tevor 73 Weekes, Trevor 73 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weinmer, Herbert 395 Weismuler, Johny 172 Weiss, Sabrielle 390 Weiss, Irv 233 Weiss, Forman 233 Wels, Irv	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklhiko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 10 Young, Richard S 196 Zamora, Ronny 247 Zaret, Thomas M 244 Zebras 104 Zeloties 316 Zewaii, Ahmed 316 Zewaii, Ahmed 316
Stress 166, 170, 202, 385, 394 Strom, S. E. 342 Struhsaker, Jeanette 392 Stunkard, Albert 232 Submarine communications system 01 Succop, Ruth A 393 Suckling 393 Suckling 393 Suckling 393 Suckling 393 Sucharm, R. D 340 Sugiura, Kanematsu 94 Suifur dioxide 171 Summers, Frank 105 Sun cycles 264 Sun Day 280 Sundstrom, Eric 170 Sunspots 264, 374, 423 Suomi, Stephen 129, 139 Suomi, Stephen 121 Supernova 376 Supernova remnant 41, 216 Supernova 376 Supernova 376 Supersonic jet 212 Surface imperfections 427 Surgical opinions, Second 315 Sweeteners, Artificial 40, 388 Swenson, Paul 185 Swift, Dean 42 Swinarski, Joseph K. 94 Swingland, Ian R. 248 Syme, S. Leonard 394 Syne, S. Leonard 344 Synchestorn radiation 426	Thermal patterns	Upsilon 100 100 101 10	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber Klaus 250 Weber, Klaus 250 Weber, Klaus 250 Weber, Tevor 73 Weeks, Frevor 73 Weeks, Wilford F. 244, 298 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 169, 198, 39 Weismuller, Johnny 172 Weiss, Marier 230 Weiss, Gabrielle 390 Weiss, Frev 233 Welsk, Sharon 102 Wesson, Robert L. 133 Westphal, Heiner 71 Wetherald, Richard 68 Wetlands 248 Weymann, Ray 106 Whale, Sowhead 185, 389, 406 Whale, Sperm 394, 406 Whales, Sperm 3	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 1117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 81, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Akinliko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 10 Young, Richard S 196 Zamora, Ronny 247 Zaret, Thomas M 24 Zebras 104 Zebras 104 Zeloites 316 Zewaii, Ahmed 313 Zigler, J. Sawuel, Jr. 58
Stress 166, 170, 202, 385, 394 Strom, S. E.	Thermal patterns	Upsilon 100 100 100 101 10	Water uses 283 Watson, James D. 420 Weaponry 49, 60, 61 Weather Satellite 53 Weather/Solar variability 423 Weather/Solar variability 423 Weber Klaus 250 Weber Klaus 250 Weeke, Tevor 73 Weekes, Trevor 73 Weight 23, 184 Weinberg, Jack 165, 198, 347 Weinberg, Jack 165, 198, 347 Weinmer, Herbert 395 Weismuler, Johny 172 Weiss, Sabrielle 390 Weiss, Irv 233 Weiss, Forman 233 Wels, Irv	X-ray binaries 313, 406 X-ray scans, 3-D 217 X-ray sources 119, 406 X-ray spectral line 153 Xylitol 388 Yagle, Ray 244 Yahya, Khawla A 117 Yalow, Rosalyn S 260, 294 Yamasaki, Edith 181, 388 Yanai, Keizo 297 Yarbo, John 93 Yen, J 278 Yeomans, D. K 41 Yiamouyiannis, John 262 Yokosawa, Aklhiko 372 Yonas, Gerold 4 Yoshimoto, Yoshio 105 Young, James B 10 Young, Richard S 196 Zamora, Ronny 247 Zaret, Thomas M 244 Zebras 104 Zeloties 316 Zewaii, Ahmed 316 Zewaii, Ahmed 316

